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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/043,736	01/09/2002	Andrew Yeoh	042390.P10048D	7389
7	7590 07/28/2004		EXAMINER	
Michael A. Bernadicou		VU, HUNG K		
BLAKELY, So Seventh Floor	OKOLOFF, TAYLOR	& ZAFMAN LLP	ART UNIT PAPER NUMBE	
12400 Wilshire	00 Wilshire Boulevard		2811	
Los Angeles,	CA 90025-1026		DATE MAILED: 07/28/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/043,736	YEOH, ANDREW	
Office Action Summary	Examiner	Art Unit	
	Hung K. Vu	2811	AN
The MAILING DATE of this communication app		l	•
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this comm D (35 U.S.C. § 133).	unication.
Status			
1) Responsive to communication(s) filed on 11 Ju	<u>ine 2004</u> .		
2a) This action is FINAL . 2b) ☐ This	action is non-final.		
3) Since this application is in condition for allowar closed in accordance with the practice under E	•		erits is
Disposition of Claims			
4) Claim(s) 18-21 and 26-28 is/are pending in the 4a) Of the above claim(s) 18-21 is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 26-28 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine	n from consideration. r election requirement. r.		
10) The drawing(s) filed on is/are: a) acceeds a pplicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the contract of the contract	drawing(s) be held in abeyance. Sertion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicat rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Sta	age
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 02/02/04,06/11/04	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:		52)

DETAILED ACTION

Request for Continued Examination

A request for continued examination (RCE) under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant' submission filed on 06/11/04 has been entered. An action on the RCE follows.

Election/Restrictions

2. Newly amended claims 18-21 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Claims 18-21 do not belong to the elected embodiment of Figure 3B.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 18 – 21 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 26 – 28 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimomura (PN 6,352,920).

Shimomura discloses, as shown in Figure 3(c), a semiconductor device comprising:

a silicon substrate [Col. 3, lines 22-25];

a patterned dielectric layer (11) on the substrate;

a bulk metal layer (17) comprising copper and beryllium [Col. 5, lines 13-16].

With regard to claim 27, Shimomura discloses the metal layer is Cu alloy, therefore, it is inherent that the second metal is a finely dispersed solute rich phase [Col. 5, lines 13-16].

With regard to claim 28, Shimomura discloses the metal layer is Cu alloy, therefore, it is inherent that beryllium is part of a large grained precipitate [Col. 5, lines 13-16].

Response to Arguments

4. Applicant's arguments with respect to claim 26 have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung K. Vu whose telephone number is (571) 272-1666. The examiner can normally be reached on Mon-Thurs 6:00-3:30, alternate Friday 7:00-3:30, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on (571) 272-1732. The Central Fax Number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Vu

July 19, 2004

Hung Vu

Patent Examiner